

Contents

Marine Chemistry, Vol. 27 (1989)

Research Papers

- Formation and transfer of fatty acids in an enclosed marine food chain comprising phytoplankton, zooplankton and herring (*Clupea harengus* L.) larvae
A.J. Fraser, J.R. Sargent (Stirling, Gt. Britain), J.C. Gamble and D.D. Seaton (Aberdeen, Gt. Britain) 1
- Production of copper-complexing organic ligands during a diatom bloom: Tower Tank and batch-culture experiments
X. Zhou, D.E. Slauenwhite, R.J. Pett and P.J. Wangersky (Halifax, Canada) 19
- The determination of molybdenum in estuarine waters using cathodic stripping voltammetry
S.H. Khan and C.M.G. van den Berg (Liverpool, Gt. Britain) 31
- Studies on the spatial and seasonal variability of dissolved cadmium, copper and nickel in north-east Atlantic surface waters
K. Kremling and C. Pohl (Kiel, F.R.G.) 43
- Compositional change of settling particles with water depth in the Japan Sea
T. Masuzawa (Nagoya, Japan), S. Noriki, T. Kurosaki, S. Tsunogai (Hakodate, Japan) and M. Koyama (Osaka, Japan) 61
- Steroid alcohols and ketones in coastal waters of the western Mediterranean: sources and seasonal variability
J.M. Bayona, A. Farran and J. Albaigés (Barcelona, Spain) 79
- Determination and distribution of iodide- and total-iodine in the North Pacific Ocean – by using a new automated electrochemical method
E. Nakayama, K. Isshiki, Y. Sohrin, S. Okazaki (Kyoto, Japan) and T. Kimoto (Osaka, Japan) 105
- High-sensitivity fluorescence spectroscopy of Mediterranean waters using a conventional or a pulsed laser excitation source
O.F.X. Donard, M. Lamotte, C. Belin and M. Ewald (Talence, France) 117

Comment

- Comment on 'Metal-organic ligand interaction in seawater' by Katsumi Hirose
I. Ruzic (Zagreb, Yugoslavia) 137

Reply

- Reply to Dr. Ruzic's comment on 'Metal-organic ligand interaction in seawater'
K. Hirose (Ibaraki, Japan) 141

- Corrigendum 143

- Erratum 145

Research Papers

- Luminescence quenching of dissolved organic matter in seawater
P.J. Milne and R.G. Zika (Miami, FL, U.S.A.) 147

Concentration and form of dissolved sulfide in the oxic water column of the ocean	
G.W. Luther, III and E. Tsamakis (Lewes, DE, U.S.A.)	165
Sources and sinks of methylgermanium in natural waters	
B.L. Lewis (Tallahassee, FL, U.S.A.), M.O. Andreae (Mainz, F.R.G.) and P.N. Froelich (Palisades, NY, U.S.A.)	179
Adsorption of proteins to surfaces in seawater	
D.L. Kirchman, D.L. Henry and S.C. Dexter (Lewes, DE, U.S.A.)	201
Halite solubility in Dead Sea waters	
B.S. Krumgalz (Haifa, Israel) and F.J. Millero (Miami, FL, U.S.A.)	219
Concentrations of chlorinated pesticides and PCBs in microlayer and seawater samples collected in open-ocean waters off the U.S. East Coast and in the Gulf of Mexico	
T.C. Sauer, Jr., J.S. Brown and P.D. Boehm (Cambridge, MA, U.S.A.), G.S. Durell (Duxbury, MA, U.S.A.) and D. Redford (Washington, DC, U.S.A.)	235
Tidal effect on nutrient exchange in Xiangshan Bay, China	
A. Fan and X. Jin (Hangzhou, People's Republic of China)	259
Particulate trace metal composition and flux across the southeastern U.S. continental shelf	
H.L. Windom, R.G. Smith, Jr. and C. Rawlinson (Savannah, GA, U.S.A.)	283